



CURRENT PORT OPENING COMPANY DESIGN



PORT OPENING COMPANY

MISSION: PROVIDE SPECIALIZED ENGR SUPPORT IN OPENING REHABILITATING, MAINTAINING PORT FACILITIES, TO INCLUDE LOTS OPS.

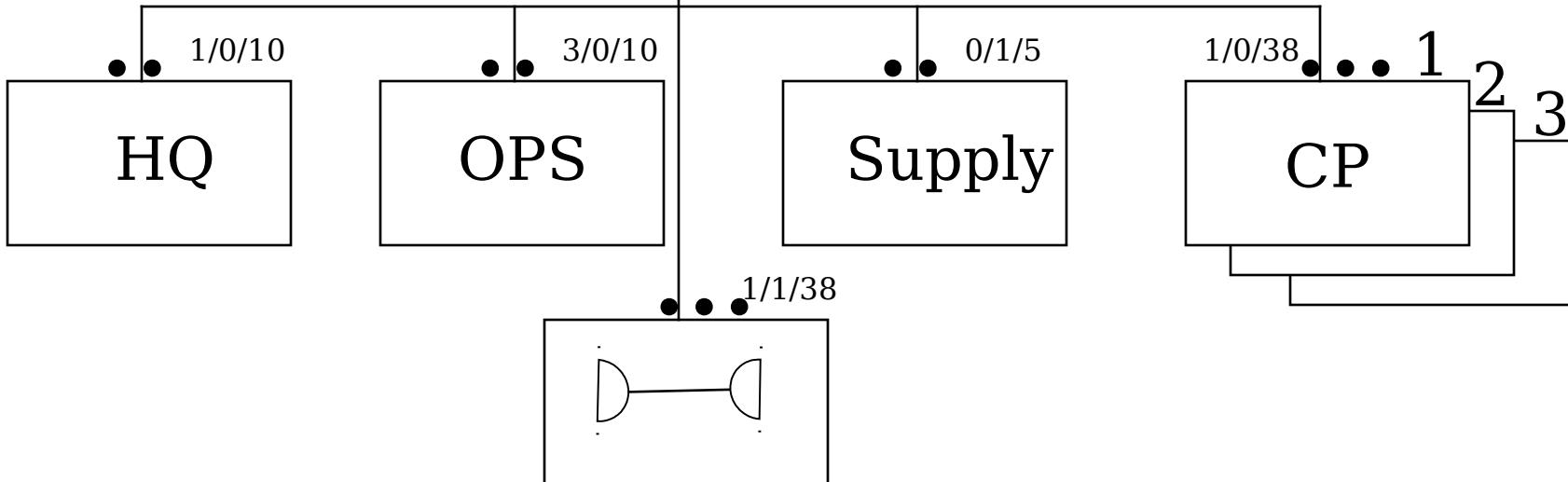
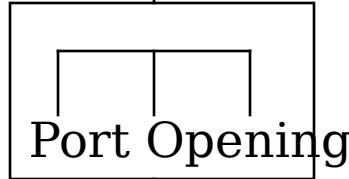
ASSIGNMENT: TO A SENIOR ENGR HQ (GROUP OR HHD ENGR TEAM). ATTACHED TO TRANSPORTATION TERMINAL BN.

EMPLOYMENT: AUGMENTS A CMBT HVY BN WITH SPECIALIZED EQUIPMENT. ONE OR MORE CONSTRUCTION PLATOONS MAY DEPLOY INDEPENDENTLY.



Organization

8/2/187





CAPABILITIES

- **SPECIALIZED PERSONNEL & EQUIPMENT FOR CONSTRUCTION OF:**
 - **LOTS OPERATIONS**
 - **OFF SHORE FACILITIES SUCH AS:**
 - MOORING SYSTEM
 - BREAKWATERS
 - WHARFS
 - JETTIES,
 - PIERS
 - OTHER CARGO HANDLING
 - **FACILITIES FOR ROLL ON, ROLL OF BREAK BULK AND CONTAINERIZED CARGO HANDLING.**
 - **TANKER DISCHARGE FACILITIES (POL JETTIES, SUBMARINE PIPELINE).**
- **LIMITED DREDGING AND REMOVAL OF UNDER WATER OBSTRUCTIONS.**
- **INSTAL OFF-SHORE PETROLEUM DISCHARGE SYSTEM WHERE NO NAVAL UNITS ASSIGNED.**



DEPENDS ON:

- **HVY DIVING TEAM FOR UNDER WATER CONSTRUCTION, SURVEY, RECON, AND RECOVERY.**
- **CMBT HVY BN FOR ADDITIONAL PERSONNEL AND EQUIPMENT SUPPORT IN REHAB AND CONSTRUCTION OR PORT.**
- **TRANSPORTATION UNITS FOR BARGE TYPE PIERS, ELEVATED CAUSEWAYS AND FLOATING CRAFT.**



BACKUP SLIDES



ARTEP TASK LIST

- **PILE DRIVING**
- **PIER AND RAMP CONSTRUCTION**
- **PIER REHABILITATION**
- **WOODEN DOLPHIN CONSTRUCTION**
- **UNDER WATER EXCAVATION**
- **LANDING CRAFT RAMPS**
- **UNDER WATER PIPELINE INSTALLATION**
- **MOORING PILES INSTALLATION**
- **CONVENTIONAL UNDER WATER ANCHOR SYSTEM
INSTALLATION**
- **HARBOR CRAFT REPAIR AND REFUELING FACILITIES
CONSTRUCTION**
- **ROCK CRIB CONSTRUCTION**



SUMMARY OF COMPANY TRAINING/MISSION (LAST 5 YEARS)

801ST (MARE ISLAND, CA)

- OVERLAND PILE DRIVING AND PIER CONSTRUCTION
- CONCRETE, MASONRY, ROUGH AND FINISH CARPENTRY, AND ELECTRICAL CONSTRUCTION
- 2 YEARS AGO THE UNIT REBUILT A FINGER PIER AND DROVE 200 PILES
- 3 & 4 YEARS AGO THE UNIT DEPLOYED TO THE MARSHALL ISLANDS TO DRIVE SHEET PILE AND PERFORM TYPHOON REHABILITATION
- THE UNIT HAS A COMPLETELY EQUIPPED AND TRAINED SURVEYOR SECTION
- THIS UNIT HAS PIPELINE-LAYING EQUIPMENT BUT NO ONE IS TRAINED ON THE EQUIPMENT
- THE COMPANY MOVED TO ITS CURRENT LOCATION 2 YEARS AGO AND IS STILL GOING THROUGH THE TRANSITION AND MOVING PROCESS

699TH (CEIBA, PUERTO RICO)

- PIER AND RAMP CONSTRUCTION IN FLORIDA
- PIER REHABILITATION IN PUERTO RICO AND THE US VIRGIN ISLANDS



Concerns

- Dive detachment
- 88K & 88L
- Vibratory Hammer
- Impact Hammers that work
- Corrosion of equipment



Concerns

- Asphalt/Concrete operator MOS, but no asphalt equipment
- Transportation of pontoons sections
- Outdated 40T cranes and parts
- Hauling assets (Lowboys)